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Test report of biochar

Date: 2026.08.27

Sample information					
Sample name	甘蔗渣炭		Sample weight		

Test elements

Test Ash

Test process		
Number of test	1	2
Crucible number	A	B
Crucible mass M_0 (g)	16.5096g	16.9485g
Sample and crucible mass M_1 (g)	17.4938g	17.9407g
Sample mass (g) M_1-M_0	0.9842g	0.9922g
The mass of the crucible and the	16.6545g	17.0906g
Total ash mass N (g) M_2-M_0	0.1449g	0.1421g
Total ash (%)	14.7%	14.3%
Calculation	Total ash (%)=100× (M2-M0) / (M1-M0)	
Average	14.52%	

Test Moisture

Test process					
Number of test	1	2			
Sample mass	3.245g	3.12g			
Moisture(%)	1.14%	0.80%			
Average	0.97%				

Test volatiles

Test process		
Number of test	1	2
Crucible number	A	B
Crucible mass M_0 (g)	23.4719g	24.4763g
Sample and crucible mass M_1 (g)	24.463g	25.4718g
Sample mass (g) M_1-M_0	0.9911g	0.9955g
The mass of the crucible and the total volatiles M2 (g)	24.376g	25.3836g
Total volatiles mass N (g)M_1-M_2	0.087g	0.0882g
Total Volatiles (%)	8.8%	8.9%
Calculation	Total volatiles (%)=100× (M_1-M_2) / (M_1-M_0)	
Average	8.82%	

Test fixed carbon

Test summary	
Moisture Mt%	0.97%
Analysis moisture Mad%	0.10%
Ash Aad%	14.52%
Volatiles Vad%	8.82%
SulfurSt.d%	
Fixed carbon Fcad%	76.56%
Coke 1-8 CRC	1
High calorific value Kcal/kg	6786 Kcal/Kg
Low calorific value Kcal/kg	6727 Kcal/Kg

Noted:The above data is for reference only	Test person:	Check: